| Ref<br># | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L1       | 1    | "5929906".pn. and weight\$3  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | OFF     | 2008/01/27 14:17 |
| L2       | 1    | "5929906".pn. and add\$6   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | OFF     | 2008/01/27 13:12 |
| L3       | 1    | "5929906".pn. and learn\$3   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | OFF     | 2008/01/27 14:17 |
| L4       | 1    | "5929906".pn. and train\$3   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | OFF     | 2008/01/27 14:37 |
| L5       | 1    | "5929906".pn. and "40"   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | OFF     | 2008/01/27 14:37 |
| L6       | 242  | 382/156.ccls.  | USPAT   | OR                  | OFF     | 2008/01/27 15:17 |
| L7       | 333  | 382/156.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2008/01/27 15:17 |
| L8       | 2    | "6128608".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2008/01/27 15:17 |
| L9       |      | 382/156.ccls. and 382/254.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2008/01/27 15:17 |
| L10      | 7    | 382/156.ccls. and 382/167.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2008/01/27 15:17 |
| L11      | 445  | 382/155-157.ccls.  | USPAT   | OR                  | OFF     | 2008/01/27 15:17 |
| L12      | 2906 | 382/155-157.ccls. or 700/47-48.<br>ccls. or 706/15-44.ccls.                  | USPAT   | OR                  | OFF     | 2008/01/27 15:17 |
| L13      | 5190 | 382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls. | USPAT   | OR                  | OFF     | 2008/01/27 15:17 |

|     |       |   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                 | <i>!</i> |     |                  |
|-----|-------|---|---|----------|-----|------------------|
| L14 | 10211 | (382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls. ) 345/63.ccls. 345/77. ccls. 345/581-618.ccls. 345/596-599.ccls.  | USPAT   | OR       | OFF | 2008/01/27 15:17 |
| L15 | 11370 | ((382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls. ) 345/63.ccls. 345/77. ccls. 345/581-618.ccls. 345/596-599.ccls. ) 345/690-697. ccls. 348/251.ccls. 348/254.ccls.  | USPAT   | OR       | OFF | 2008/01/27 15:17 |
| L16 | 45    | (382/155-157.ccls. or 700/47-48. ccls. or 706/15-44.ccls.) and (((382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls.) 345/63.ccls. 345/77. ccls. 345/581-618.ccls. 345/596-599.ccls.) 345/690-697. ccls. 348/251.ccls. 348/254.ccls.)   | USPAT   | OR       | OFF | 2008/01/27 15:17 |
| L17 | . 48  | ("5422576" "5827187" "4618827" "5185574" "5280428" "5295488" "5331552" "5440647" "5810729" "5877629" "5883813" "5923789" "6108573" "6111411" "6188922" "6195579" "6211674" "6211674" "6392235" "5488297" "5994709" "6124912" "5532496" "5241423" "4086630" "4349252" "4415240" "4547050" "4585993" "4610513" "4824239" "5314774" "5383025" "5751004" "5852757" "5866913" "6025718" "6066180" "6078396" "6184850" "6310479" "6151101" "4332466" "5838756" "5952133" "6222935" "6222935" "4453822" "4491932" "5488450").pn. | USPAT   | OR       | OFF | 2008/01/27 15:17 |
| L18 | 333   | 382/156.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR       | OFF | 2008/01/27 15:17 |
| L19 |       | 382/156.ccls. and 382/254.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR       | OFF | 2008/01/27 15:17 |
| L20 | 7     | 382/156.ccls. and 382/167.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR       | OFF | 2008/01/27 15:17 |

| L21 | 2    | "5091773".pn.  | US-PGPUB;   | OR   | OFF | 2008/01/27 15:17 |
|-----|------|--|---|------|-----|------------------|
|     |      |  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              |      |     |                  |
| L22 | 24   | "5091773".URPN.  | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L23 | 2    | "5475447".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L24 | 29   | "5475447".URPN.  | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L25 | 56   | ((project\$3 display\$3 transmit\$3)<br>near3 (correct\$3 adjust\$4<br>improv\$5)) same ((neural nueral<br>neuronal nueronal) adj2 (network<br>net)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L26 | 165  | asic and ("neural net" or "neuronal<br>net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L27 | 0    | ("application specific circuit") and<br>("neural net" or "neuronal net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L28 | 1310 | ("circuit") and ("neural net" or "neuronal net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L29 | 88   | ("circuit") near5 ("neural net" or<br>"neuronal net")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L30 | 1    | ("circuit") near5 ("neural net" or<br>"neuronal net") near5 (specific)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2008/01/27 15:17 |
| L31 | 0    | ("circuit") near5 ("neural net" or<br>"neuronal net") near5 (application)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |

|     |      |   | •   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| L32 | 2817 | (computer CPU processor) and<br>("neural net" or "neuronal net")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L33 | 161  | (computer CPU processor) and ("neural net" or "neuronal net") and asic  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L34 | 1    | "5748329".pn. and (mono (single adj layer) single-layer\$3 layer\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L35 | 1    | "6144776".pn. and (mono (single adj layer) single-layer\$3 layer\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L36 | 0    | "6144776".pn. and (mono\$3 single)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L37 |      | "6078410".pn. and (mono single)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L38 | 1    | "6078410".pn. and (layer)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L39 | 610  | (mono-layered\$3 monolayer\$3<br>((single singular\$3) near2 layer\$3))<br>near5 (linear\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L40 | 2    | (mono-layered\$3 monolayer\$3<br>((single singular\$3) near2 layer\$3))<br>near5 (linear\$3) near5 (PSF<br>transfer-function (transfer adj<br>function\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L41 | 305  | asic same ("neural net" or<br>"neuronal net" neur\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |

| L42 | . 7 | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(linear\$3)                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
|-----|-----|--|---|----|-----|------------------|
| L43 | 12  | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(linear\$3 layer\$3 mono\$3)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L44 | 0   | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(mono\$3)                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L45 | 11  | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(layer\$3)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L46 | 6   | ("5832106" "5748329" "5774230" "5506696" "6144776" "5771311" "5327228" "6078410" "6016154" "6259824" "5617490").pn. and (linear\$3 and layer\$3)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L47 | 0   | ("5832106" "5748329" "5774230" "5506696" "6144776" "5771311" "5327228" "6078410" "6016154" "6259824" "5617490").pn. and (linear\$3 and ((transfer adj func\$3)) PSF) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L48 | 3   | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(linear\$3 and transfer)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L49 | 933 | (project\$3) same ((nueral adj<br>net\$4) (neural adj net\$4)<br>((nueronal neuronal) adj (net\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L50 | 22  | (projector) same ((nueral adj<br>net\$4) (neural adj net\$4)<br>((nueronal neuronal) adj (net\$4)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |

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| L51 | 2     | "5506696".pn.  | US-PGPUB;                                  | OR | OFF | 2008/01/27 15:17 |
|-----|-------|--|--|----|-----|------------------|
|     | _     | 330030 .pm.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB |    |     | 2000/01/2/ 15:1/ |
| L52 | 0     | "2241271"  | JPO  | OR | OFF | 2008/01/27 15:17 |
| L53 | 0     | "2241271.pn."  | JPO  | OR | OFF | 2008/01/27 15:17 |
| L54 | 1     | jp-02241271-A.did.   | JPO  | OR | OFF | 2008/01/27 15:17 |
| L55 | 1     | jp-05153381-A.did.   | JPO  | OR | OFF | 2008/01/27 15:17 |
| L56 | 3940  | ((neural nueral neuronal nueronal) adj net\$4)   | JPO  | OR | OFF | 2008/01/27 15:17 |
| L57 | 64    | ((neural nueral neuronal nueronal)<br>adj net\$4) near5 (computer)                             | JPO  | OR | OFF | 2008/01/27 15:17 |
| L58 | 1181  | ((neural nueral neuronal nueronal)<br>adj net\$4) near5 (computer)                             | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L59 | 168   | ((neural nueral neuronal nueronal)<br>adj net\$4) near3 (implement\$4)<br>near3 (computer CPU) | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L60 | 1     | "5231481".pn.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L61 | 1     | "5774230".pn.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L62 | 1     | "5506696".pn.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L63 | 1     | "5774230".pn.  | US-PGPUB;<br>USPAT                         | OR | OFF | 2008/01/27 15:17 |
| L64 | 1     | "6542250".pn.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L65 | 1     | "7149337".pn.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L66 | 0     | (neural or neuronal) near<br>network\$3 and ((space adj variant)<br>near weith\$1)             | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L67 | 0     | (neural or neuronal) near<br>network\$3 and ((space adj variant)<br>near weight\$4)            | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L68 | 1     | "5231481".pn.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L69 | 14063 | (neuron\$3 or neural) near (net\$1 or network\$4)  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L70 | 3743  | color near channel\$1  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L71 | 10    | L69 same L70   | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L72 | 242   | 382/156.ccls.  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L73 | . 27  | L69 same (squar\$3 near2<br>(channel\$1 or input\$1))  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L74 | 8     | L69 with (squar\$3) near2 input\$1   | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L75 | 110   | L69 with (squar\$3) with input\$1  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L76 | 728   | L69 with (squar\$3)  | USPAT                                      | OR | OFF | 2008/01/27 15:17 |

| L77 | 2906 | 382/155-157.ccls. or 700/47-48.<br>ccls. or 706/15-44.ccls.   | USPAT   | OR | OFF | 2008/01/27 15:17 |
|-----|------|---|---|----|-----|------------------|
| L78 | 2    | "6128608".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L79 | 7    | 382/156.ccls. and 382/167.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L80 | 45   | (382/155-157.ccls. or 700/47-48. ccls. or 706/15-44.ccls.) and (((382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls. ) 345/63.ccls. 345/77. ccls. 345/581-618.ccls. 345/596-599.ccls. ) 345/690-697. ccls. 348/251.ccls. 348/254.ccls. )  | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L81 | 48   | ("5422576" "5827187" "4618827" "5185574" "5280428" "5295488" "5331552" "5440647" "5810729" "5877629" "5883813" "5923789" "6108573" "6111411" "6188922" "6195579" "6211674" "6211674" "6392235" "5488297" "5994709" "6124912" "5532496" "5241423" "4086630" "4349252" "4415240" "4547050" "4585993" "4610513" "4824239" "5314774" "5383025" "5751004" "5852757" "5866913" "6025718" "6066180" "6078396" "6184850" "6310479" "6151101" "4332466" "5838756" "5952133" "6222935" "6222935" "4453822" "4491932" "5488450").pn. | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L82 | 333  | 382/156.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L83 | 5    | 382/156.ccls. and 382/254.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |

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|     |       |  |   | ,    |     |                  |
|-----|-------|--|---|------|-----|------------------|
| L84 | 7     | 382/156.ccls. and 382/167.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L85 | 2     | "5091773".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L86 | 24    | "5091773".URPN.  | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L87 | 5190  | 382/167.ccls. 382/274-275.ccls.<br>382/254.ccls. 358/518-523.ccls.<br>345/20.ccls.   | USPAT .   | OR   | OFF | 2008/01/27 15:17 |
| L88 | 2     | "5475447".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2008/01/27 15:17 |
| L89 | 10211 | (382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls. ) 345/63.ccls. 345/77. ccls. 345/581-618.ccls. 345/596-599.ccls.       | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L90 | 56    | ((project\$3 display\$3 transmit\$3)<br>near3 (correct\$3 adjust\$4<br>improv\$5)) same ((neural nueral<br>neuronal nueronal) adj2 (network<br>net)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L91 | 165   | asic and ("neural net" or "neuronal<br>net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L92 | 161   | (computer CPU processor) and<br>("neural net" or "neuronal net") and<br>asic   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L93 | 0     | ("application specific circuit") and<br>("neural net" or "neuronal net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L94 | 1310  | ("circuit") and ("neural net" or "neuronal net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |

| L95  | 5     | 382/156.ccls. and 382/254.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
|------|-------|--|---|----|-----|------------------|
| L96  | 88    | ("circuit") near5 ("neural net" or "neuronal net")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L97  | 1     | ("circuit") near5 ("neural net" or<br>"neuronal net") near5 (specific)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L98  | 0     | ("circuit") near5 ("neural net" or<br>"neuronal net") near5 (application)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L99  | 29    | "5475447".URPN.  | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L100 | 445   | 382/155-157.ccls.  | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L101 | 12    | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(linear\$3 layer\$3 mono\$3)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L102 | 2817  | (computer CPU processor) and ("neural net" or "neuronal net")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L103 | 11370 | ((382/167.ccls. 382/274-275.ccls. 382/254.ccls. 358/518-523.ccls. 345/20.ccls. ) 345/63.ccls. 345/77. ccls. 345/581-618.ccls. 345/596-599.ccls. ) 345/690-697. ccls. 348/251.ccls. 348/254.ccls. | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L104 | 1     | "5748329".pn. and (mono (single<br>adj layer) single-layer\$3 layer\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L105 | 1     | "6144776".pn. and (mono (single adj layer) single-layer\$3 layer\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |

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|------|------|---|---|----|-----|------------------|
| L106 | 0    | "6144776".pn. and (mono\$3 single)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L107 |      | "6078410".pn. and (mono single)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L108 | 333  | 382/156.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L109 | 1    | "6078410".pn. and (layer)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L110 | 610  | (mono-layered\$3 monolayer\$3<br>((single singular\$3) near2 layer\$3))<br>near5 (linear\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L111 | 2    | (mono-layered\$3 monolayer\$3<br>((single singular\$3) near2 layer\$3))<br>near5 (linear\$3) near5 (PSF<br>transfer-function (transfer adj<br>function\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L112 | 305  | asic same ("neural net" or<br>"neuronal net" neur\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L113 | 7    | ("5832106" "5748329" "5774230" "5506696" "6144776" "5771311" "5327228" "6078410" "6016154" "6259824" "5617490").pn. and (linear\$3)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L114 | 0    | ("5832106" "5748329" "5774230" "5506696" "6144776" "5771311" "5327228" "6078410" "6016154" "6259824" "5617490").pn. and (mono\$3)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L115 | . 11 | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(layer\$3)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |

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|------|------|--|---|------|-----|------------------|
| L116 | 6    | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(linear\$3 and layer\$3)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L117 | 0    | ("5832106" "5748329" "5774230" "5506696" "6144776" "5771311" "5327228" "6078410" "6016154" "6259824" "5617490").pn. and (linear\$3 and ((transfer adj func\$3)) PSF) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L118 | 3    | ("5832106" "5748329" "5774230"<br>"5506696" "6144776" "5771311"<br>"5327228" "6078410" "6016154"<br>"6259824" "5617490").pn. and<br>(linear\$3 and transfer)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L119 | 1181 | ((neural nueral neuronal nueronal)<br>adj net\$4) near5 (computer)   | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L120 | 933  | (project\$3) same ((nueral adj<br>net\$4) (neural adj net\$4)<br>((nueronal neuronal) adj (net\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L121 | 2    | "5506696".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L122 | 22   | (projector) same ((nueral adj<br>net\$4) (neural adj net\$4)<br>((nueronal neuronal) adj (net\$4)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/01/27 15:17 |
| L123 | 0    | "2241271.pn."  | JPO   | OR   | OFF | 2008/01/27 15:17 |
| L124 | 0    | "2241271"  | JPO   | OR   | OFF | 2008/01/27 15:17 |
| L125 | 1    | jp-02241271-A.did.   | JPO   | OR   | OFF | 2008/01/27 15:17 |
| L126 | 1    | jp-05153381-A.did.   | JPO   | OR   | OFF | 2008/01/27 15:17 |
| L127 | 3940 | ((neural nueral neuronal nueronal)<br>adj net\$4)  | JPO .   | OR   | OFF | 2008/01/27 15:17 |
| L128 | 64   | ((neural nueral neuronal nueronal) adj net\$4) near5 (computer)  | JPO   | OR   | OFF | 2008/01/27 15:17 |
| L129 | 168  | ((neural nueral neuronal nueronal)<br>adj net\$4) near3 (implement\$4)<br>near3 (computer CPU)   | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L130 | 1    | "5231481".pn.  | USPAT   | OR   | OFF | 2008/01/27 15:17 |
| L131 | 1    | "5774230".pn.  | USPAT   | OR . | OFF | 2008/01/27 15:17 |
| L132 | 1    | "5506696".pn.  | USPAT   | OR   | OFF | 2008/01/27 15:17 |

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| L133 | 1    | "5774230".pn.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2008/01/27 15:17 |
| L134 | 1    | "6542250".pn.   | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L135 | 1.   | "7149337".pn.   | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L136 | 0    | (neural or neuronal) near<br>network\$3 and ((space adj variant)<br>near weith\$1)  | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L137 | 0    | (neural or neuronal) near<br>network\$3 and ((space adj variant)<br>near weight\$4) | USPAT   | OR | OFF | 2008/01/27 15:17 |
| L138 | 1    | "5929906".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2008/01/27 15:17 |
| L139 | 5    | ("5018017"   "5376963"  <br>"5559604"   "5754227"  <br>"5929906").PN.               | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2008/01/27 15:17 |
| L140 | 1008 | 382/156-159.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L141 | 1704 | 382/167.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L142 | . 11 | L140 and L141   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/27 15:17 |
| L143 | 1    | "5929606".pn.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2008/01/27 15:17 |